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Approved For Release 2003/02/27 : CIA-RDP78B04747A003100030054-6

5 February 1963

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[redacted]

P.O. Box 2821
Washington 13, D.C.

Dear John:

Following our comparatively short, but nevertheless pleasant conversation on January 24th in your office, I have given considerable thought to the problem of modifying the [redacted] STAT viewers whereby they use a zoom lens and improved light source as a means of increasing the viewing efficiency. I have discussed it with our optical department, and although we have no immediately suitable lens in our current zoom design programs, they also gave it a good deal of thought. The consensus of opinion is that a lens design to cover the magnification range is possible, but against this is a feeling that modification might not be entirely pleasing to you as other features in the [redacted] Extra might also need considerable change to accommodate the optical modification. STAT STATINTL STATINTL

We have successful zoom lens designs, one of which we are demonstrating in a breadboard stereomicroscope. [redacted] has seen this one, I believe, and [redacted] has a copy of our write-up. Another is incorporated in the Unit Record Viewer with which [redacted] USAF, is familiar. We are also proposing to you a zoom lens design with an enlarger fabrication program, and [redacted] has a copy of this proposal. STATINTL STATINTL

We could, therefore, consider the design of a suitable zoom lens and modification of the [redacted] viewers. This would be an R & D program and would require the provision of a viewer as GFE equipment. We would propose to examine the [redacted] viewer, STAT design a zoom lens and layout modifications compatible with the lens. The end result could be expensive in terms of redesign, and not entirely to your liking. It would of course tie up a viewer when you can least afford to lose one and the various compromises both in terms of lens design and existing viewer modifications still might not give you exactly what you are seeking.

I well appreciate that time is important to you as also is high efficiency viewing. I know too that you have a sizeable investment in [redacted] viewers, but nevertheless I would like to STAT suggest again as an alternative which will save time and give you a good viewer that you take a good look at [redacted] Rapid Screening Viewer. It really is an efficient viewer. The 30" x 30" screen has excellent screen brightness and resolution at all three magnifications 5X, 15X, 30X and it has all the necessary conveniences an interpreter needs to do a first class rapid screening job. We are currently designing a modification whereby the single film transport is converted

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into a dual transport system passing over a 1:1 viewing station equipped with the [redacted] Stereo-microscope. This is in effect an integral light table which accommodates all format sizes, has a stereo capability, and at the touch of a button will automatically meter any image of interest from the light table to the platen where it is projected on the 30" x 30" screen at any of the three projection magnifications. Another touch on the button and the image is metered back to the light table for further stereo examination, or scanning can continue on through the mission.

The enclosed specifications are for the single transport viewer with optional printout station. The dual transport viewer will be similar but as indicated in the attached sketch has the added stereo versatility.

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We would like to be of more service to your organization. There have been many changes in [redacted] over the last year, and I personally can assure you that we can do an excellent job.

If there are any other points regarding viewers in general or specifically regarding the foregoing I would be most happy to discuss them with you.

Sincerely,

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[redacted]

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[redacted]

Enclosure

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